

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-083-34  
TYNER QUADRANGLE  
90 KENTUCKY  
N3715-W8345/15  
DIAGRAM NJ 17-7  
JENKINS

Clay, Laurel, Jackson and  
Owsley Counties, Kentucky

Final adjustment of 1973

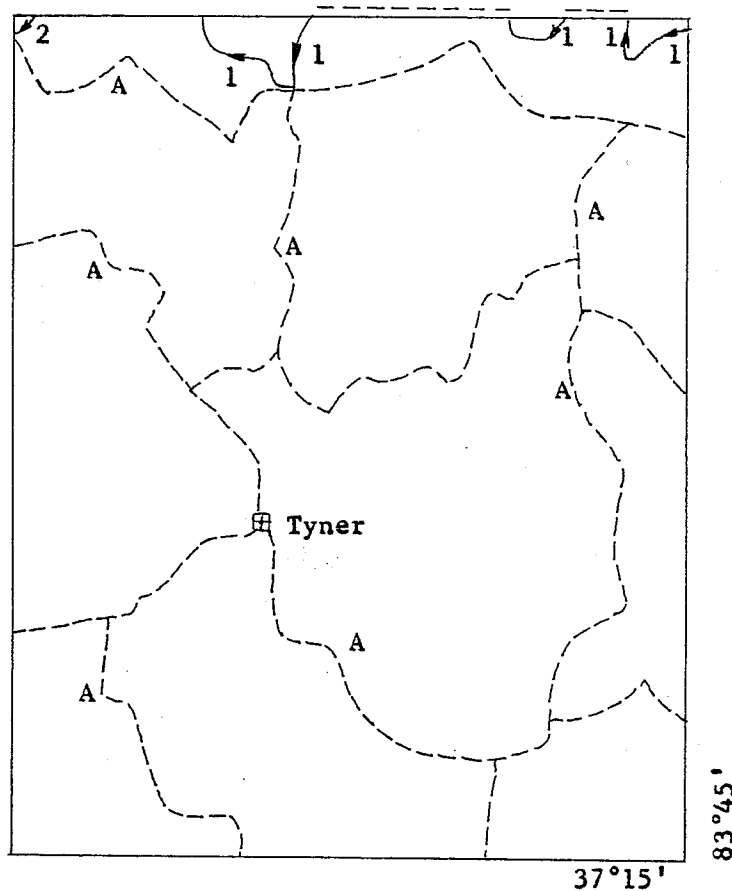
Edition of 6/14/74

PR: WSM/sws

IRVINE  
(118)

LIVINGSTON  
(91)

BOONEVILLE  
(89)



MANCHESTER  
(61)

NCS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370833

90 KENTUCKY  
TYNER QUADRANGLE

37-083-34  
N3715-W8345/15

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

MARK (USGS)

PAGE NO.

11 WV 1950 937  
16 WV 1950 1235

3  
3

17 V 1950 991

3

1950

LINE 1.

Feet

By W. Varley, 1950; Book AV 178

2 10 3.91 Vincent, 1.6 mi N. of; at junction of T-rd. E.; 8 ft W. of N. end of W. headwall of bridge over Duck Fork Creek; 10 ft N. of small waterfall; in large rock outcrop; standard tablet stamped "11 WV 1950 937" 936.507

2 10 3.91 Reference mark, 34 ft E. of tablet; on N. end of E. headwall of bridge; chiseled square 941.82

2 11 4.28 U.E., Vincent, 2.0 mi N. of; on S. end of E. headwall of bridge over Duck Fork Creek; chiseled square 873.40

/Jogs into Irvine quadrangle/

2 19 6.98 U.E.; Delvinta, 1.4 mi SW. of; at junction of rd. N. to Congleton Mines; on NW. end of NE. headwall of bridge; chiseled square 835.18

2 20 7.57 U.E.; Delvinta, 2.0 mi SW. of; at junction of Y-rd. S.; on SE. headwall of culvert; 1 ft lower than rd. junction; chiseled square 834.56

/Jogs into Irvine quadrangle/

2 35 15.02 U.E., Arvel, 1.8 mi S. of; 25 ft N. of, and 2 ft higher than junction of drive to church; in center of small boulder; chiseled square 1240.00

2 37 15.64 Arvel, 2.5 mi S. of; 0.7 mi N. of Mt. Zion Post Office; at junction of rd. E. to Wild Dog; 23 ft SE. of rd. to Mt. Zion; 23 ft NE. of rd. to Wild Dog; 43 ft WSW. of SW. corner of residence of Mrs. Maud Issacs; in concrete post projecting 5 in.; standard tablet stamped "16 WV 1950 1235" 1234.778

2 42 17.14 Arvel, 3.0 mi S. of, thence 0.5 mi W.; 25 ft E. of barn; in center of old rd. bed; in center of rock outcrop; chiseled square 972.07

2 44 18.01 U.E., Arvel, 3.0 mi S. of, thence 1.8 mi W.; at drain crossing; in center of rd. and stream; chiseled square 933.86

2 45 18.65 Wind Cave, 2.0 mi S. of, along rd. to Muncy; 40 ft N. of junction of T-rd. E.; 52 ft E. of entrance to Barbie Issacs farm home; 7 ft W. of stream, in concrete post projecting 6-in.; standard tablet stamped "17 V 1950 991" 990.478

LINE 1 (Cont'd.)Feet

2 49 19.25 U.E., Wind Cave, 1.4 mi S. of; 35 ft SE. of center of  
rd. at junction of rd. E.; 5 ft NE. of, and 1 ft higher  
than junction of rd. SE.; on small boulder; chiseled  
square

1277.95

LINE 2.

By W. N. Runnels, 1950; Book AV 152

There are no permanent marks on this line in this quadrangle.

HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-083-34  
TYNER QUADRANGLE  
90 KENTUCKY  
N3715-W8345/15  
DIAGRAM NJ 17-7  
JENKINS

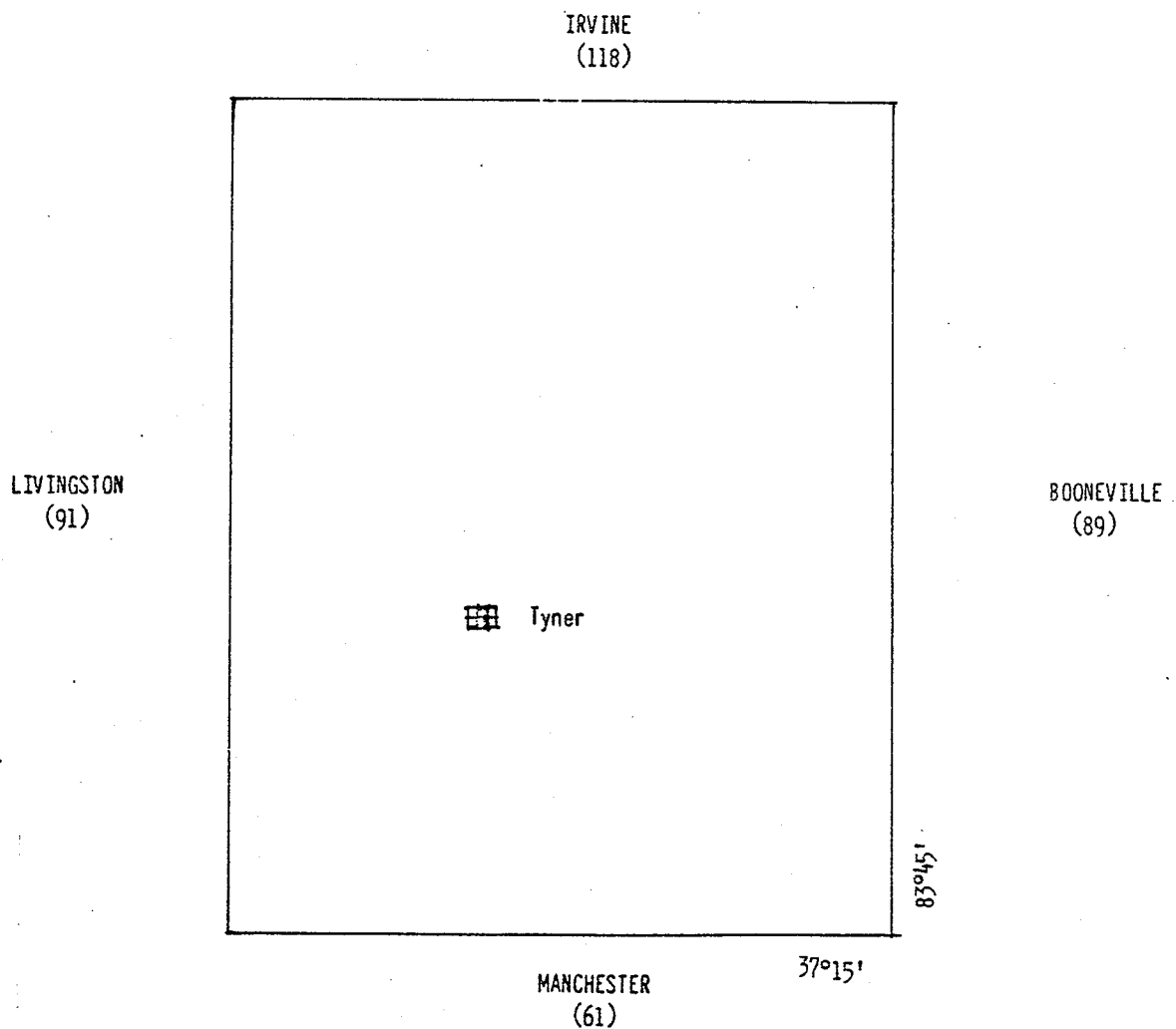
Clay, Jackson, Laurel, Lee  
and Owsley Counties

Edition of 6/30/77

PR: CRV/rmm

Plane coordinates are based on Lambert  
projection, Kentucky, South Zone

Only the permanent marks are  
listed for control classified  
obsolete and are not shown on  
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

90 KENTUCKY  
TYNER QUADRANGLE

37-083-34  
N3715-W8345/15

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
IT 40 EV 1950 1439.377	6
IT 22 RCD 1950 1021.412	3
IT 23 RCD 1950 841.278	3
IT 24 RCD 1950 883.233	3
IT 25 RCD 1950 989.470	3
IT 15 DWP 1951	4
IT 16 DWP 1951	4
IT 19 DWP 1951	5
IT 21 DWP 1951	5
IT 22 DWP 1951	5
IT 23 DWP 1951	5

U. S. DEPARTMENT OF AGRICULTURE

1500	5
------	---

NGS

N 167 1950 977.180	3
P 167 1950	3
R 167 1950 881.015	4
U 184 1950 1024.722	5
W 184 1950 1254.082	5
Z 185 1950 1088.144	4
A 186 1950 855.339	4
B 186 1950 787.285	4
H 186 1950	4

90 KENTUCKY  
TYNER QUADRANGLE

37-083-34

3

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
---------	--	-------------------	--------------------

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By R. C. Darnell, 1950; Book AH 190

Booneville, 6.5 mi W. of, along State Highway 30; 0.5 mi E. of crossroads at Vincent; 40 ft N. and 115 ft E. of junction of Y-rd.; 29 ft N. of, and 3 ft lower than centerline of hwy.; in concrete post; standard tablet stamped "TT 22 RCD 1950 1021.412"

X = 2,575,472	Y = 419,269	37 28 05.98	83 46 01.18
---------------	-------------	-------------	-------------

Travellers Rest; 25 ft N. of centerline of State Highway 30; 21 ft S. and 26 ft E. of SE. corner of Millard Botner Store; in NW. end of concrete wingwall of culvert over Joe Wilsons Branch; standard tablet stamped "TT 23 RCD 1950 841.278"

X = 2,569,564	Y = 412,038	37 26 55.71	83 47 16.32
---------------	-------------	-------------	-------------

Travellers Rest, 1.9 mi S. of, along State Highway 30; 0.7 mi N. of Sturgeon; 150 ft W. of centerline of Highway 30 at junction of graveled rd. S.; in NE. corner of abutment of bridge over Sturgeon Creek; standard tablet stamped "TT 24 RCD 1950 883.233"

X = 2,569,696	Y = 403,885	37 25 35.09	83 47 16.78
---------------	-------------	-------------	-------------

Sturgeon, 1.6 mi S. of, along graveled rd.; 16 ft N. and 18 ft W. of, and 3 ft lower than junction of private T-rd. W.; 4 ft W. of mailbox; in concrete post; standard tablet stamped "TT 25 RCD 1950 989.470"

X = 2,568,562	Y = 392,759	37 23 45.34	83 47 33.70
---------------	-------------	-------------	-------------

By D. W. Pinkston, 1951; Book AH 224

Sturgeon, 2.3 mi S. of post office, along graveled and dirt rds.; 1.8 mi N. of school at Island City; at junction of rd. W. to farm; 28 ft SW. of centerline of dirt rd.; 18 ft NW. of dim rd. connecting farm rd. and dirt rd.; 11 ft N. of centerline of farm rd. W.; 50 ft NE. of farmhouse; 38 ft SE. of SW. end of 28-in. pipe culvert; in concrete post; NGS standard disk stamped "N 167 1950 977.180"

X = 2,569,990	Y = 388,916	37 23 07.06	83 47 16.99
---------------	-------------	-------------	-------------

Island City, 0.8 mi N. of school, along dirt rd.; 165 ft S. of, and across rd. from two-room house; 11 ft SW. of centerline of rd.; between rd. and creek bed; 75 ft E. of E. corner of barn; 9 ft E. of center of creek; in NE. end of bedrock extending from rd. into creek; NGS standard disk stamped "P 167 1950"

(Reported destroyed)

X = 2,573,885	Y = 385,200	37 22 29.52	83 46 29.70
---------------	-------------	-------------	-------------



90 KENTUCKY  
TYNER QUADRANGLE

37-083-34  
4

STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

OBSOLETE MARKS (Cont'd)

Island City, 0.6 mi S. of school, along graveled rd.; 495 ft S. of junction of rd. W.; 26 ft W. of centerline of rd.; 19 ft N. of NE. corner of church; 1 ft E. of wire fence; in concrete post; NGS standard disk stamped "R 167 1950 881.015"

X = 2,575,104

Y = 379,579

37 21 33.70

83 46 16.06

Island City, 1.5 mi S. of school, along graveled rd.; near Owsley-Clay County line; 22 ft W. of centerline of rd.; 18 ft NE. of centerline of dim trail NW.; 90 ft N. of triangular-blazed 28-in. oak tree; 30 ft NE. of crest of ridge; 30 ft NE. of telephone pole; in sandstone outcrop; NGS standard disk stamped "Z 185 1950 1088.144"

X = 2,574,387

Y = 374,985

37 20 48.44

83 46 26.13

Island City, 2.6 mi S. of school, along graveled rd.; at residence of Auther J. Perry; 40 ft E. of centerline of rd.; 92 ft SE. of E. end of 24-in. pipe culvert; 14 ft N. of 20-in. apple tree; 4 ft SW. of SW. corner of house; in concrete post; NGS standard disk stamped "A 186 1950 855.339"

X = 2,575,781

Y = 369,374

37 19 52.68

83 46 10.33

Island City, 3.5 mi S. of school, along graveled rd.; 3.4 mi NE. of post office at Chestnutburg; 131 ft SE. of junction of rd. E.; 35 ft E. of centerline of rd.; 100 ft S. of SW. corner of R. H. Bowman Grocery Store; 58 ft W. of NW. corner of house; 6 ft S. of power pole; 1 ft W. of fenceline; in concrete post; NGS standard disk stamped "B 186 1950 787.285"

X = 2,576,309

Y = 365,292

37 19 12.22

83 46 04.85

Chestnutburg, 2.3 mi E. of, along dirt rd.; 0.8 mi E. of Ells Branch Church; 0.3 mi E. of Ells Branch School; 8 ft NW. of, and 1 ft higher than centerline of rd.; 29 ft S. of lone black walnut tree; in sandstone outcrop; NGS standard disk stamped "H 186 1950" (Reported destroyed, 1953)

X = 2,577,554

Y = 356,370

37 17 43.76

83 45 51.77

Chestnutburg, 2.0 mi E. of, along dirt rd., thence 1.4 mi S. along Ells Branch; 40 ft S. of Sandlin Branch; 21 ft S. and 18 ft W. of junction of I-rd.; in concrete post; standard tablet stamped "TT 15 DWP 1951" (Reported destroyed, 1977)

X = 2,579,376

Y = 349,423

37 16 34.71

83 45 31.03

Chestnutburg, 2.0 mi E. of, along dirt rd., thence 2.6 mi S. along Ells Branch; on property of Jim Baker; 40 ft N. and 9 ft W. of centerline of rd. at walkway to house; 10 ft E. of and 2 ft higher than centerline of rd.; 7 ft N. and 2 ft E. of rock wall around house; in concrete post; standard tablet stamped "TT 16 DWP 1951" (Not found, 1977)

X = 2,579,194

Y = 343,094

37 15 32.18

83 45 34.94

90 KENTUCKY  
TYNER QUADRANGLE

37-083-34  
5

STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

OBSOLETE MARKS (Cont'd.)

McKee; 105 ft SE. of SE. corner of courthouse; directly across street from McKee Drugstore; 30 ft N. of, and level with centerline of U. S. Highway 421; in concrete walk; U. S. Department of Agriculture standard disk stamped "1500" (Stamping worn off)

X = 2,508,740

Y = 404,047

37 25 48.54

83 59 52.32

McKee, 4.2 mi S. of courthouse, along State Highway 290; 0.1 mi N. of stone building; in field on property of Mr. Fox; 23 ft N. and 20 ft W. of junction of Y-rd. SW.; in concrete post; standard tablet stamped "TI 19 DWP 1951"

X = 2,510,686

Y = 387,305

37 23 02.67

83 59 32.05

Bond, 1.7 mi N. of, along Bond-Dabolt Road; 195 ft S. of junction of I-rd.; 16 ft W. of centerline of rd.; 88 ft S. and 28 ft W. of center of small wooden bridge over stream; across rd. from frame residence; 6 ft N. of lone apple tree; in concrete post; standard tablet stamped "TI 21 DWP 1951"

X = 2,511,318

Y = 369,522

37 20 06.76

83 59 28.32

Bond; 0.8 mi SW. of Annville Institute; 192 ft NW. of centerline of State Highway 30 at junction of rd. S.; 41 ft N. of centerline of hwy.; 158 ft W. of SW. corner of Coffey Hardware Store; 39 ft E. of SE. corner of post office; 5 ft E. of SE. corner of two-car garage attached to post office; 2 ft S. of fenceline; in concrete post; NGS standard disk stamped "U 184 1950 1024.722"

X = 2,512,364

Y = 362,482

37 18 56.97

83 59 17.00

Annville, 0.5 mi E. of Annville Institute, along State Highway 30, thence 0.8 mi S. along graveled rd.; 0.8 mi N. of junction of rd. S. at Green Hill; 39 ft W. of centerline of rd.; at entrance to cultivated field; 91 ft W. of, and across rd. from power pole; 105 ft S. of S. end of S-curve; 16 ft W. of fence corner; 2 ft N. of fenceline; in concrete post; NGS standard disk stamped "W 184 1950 1254.082"

X = 2,519,203

Y = 359,871

37 18 29.89

83 57 52.96

Moores Creek; in NW. corner of schoolyard; 24 ft S. and 50 ft E. of junction of I-rd. S.; 2 ft S. of NW. corner of stone retaining wall; in concrete post; standard tablet stamped "TI 22 DWP 1951" (Reported destroyed, 1953)

X = 2,511,486

Y = 349,909

37 16 52.83

83 59 30.76

Moores Creek, 2.2 mi S. of school, along Buffalo Creek; 400 ft N. of Jackson-Laurel County line; in SW. corner of yard of Roy Bank; 115 ft SW. of SW. corner of chimney; 36 ft N. and 16 ft W. of junction of Y-rd.; 25 ft NW. of 24-in. white oak tree; in concrete post; standard tablet stamped "TI 23 DWP 1951"

X = 2,514,600

Y = 339,748

37 15 11.81

83 58 54.59

90 KENTUCKY  
TYNER QUADRANGLE

37-083-34  
6

STATION      DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

MARK TIED BY NGS

By J. A. Evans, 1950; Book AH 168

Foxtown, 1.9 mi S. of, along State Highway 89; 0.3 mi S. of U. S. Forest Service Milepost 7; at S. end of curve; 475 ft N. of dim trail rd. SW.; 19 ft W. of centerline of rd.; 15 ft SE. of twin-8-in. oak trees; in concrete post; standard tablet stamped "TI 40 EV 1950 1439.377"

X = 2,509,073.82    Y = 424,632.23

37 29 11.979

83 59 43.434